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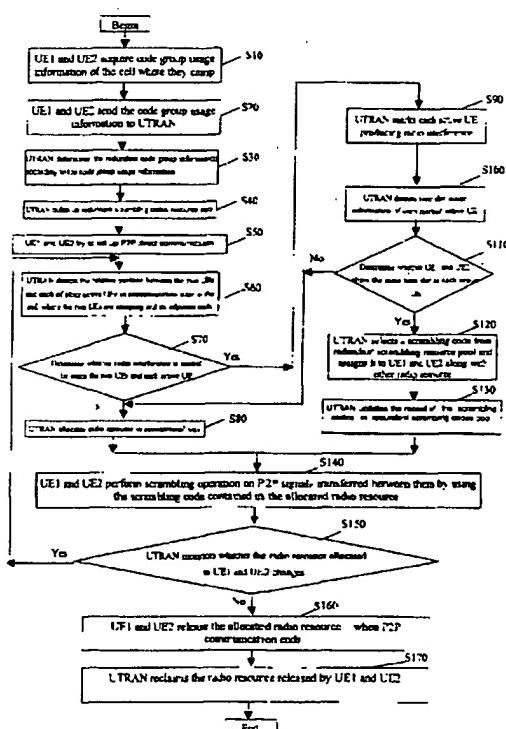
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(54) Title: **A METHOD AND APPARATUS FOR MITIGATING P2P INTERFERENCE IN P2P-ENABLED COMMUNICATION SYSTEMS**



(57) Abstract: A method to be performed by a network system is proposed, for P2P communication to cancel interference, comprising steps of: determining the redundant code group information, according to the code group usage information of the cell in which two UEs to establish P2P connection camp and its adjacent cells; detecting the relative position between said two UEs and each of other active UEs in communication state in the cell where said two UEs are camping and its adjacent cells; if at least one UE of said two UEs causes radio interference to at least one of said active UEs according to the relative position, further determining whether said UE and said active UE are assigned in the same time slot; selecting a scrambling code from the redundant code group information and assigning it to said two UEs if said UE and said active are assigned in the same time slot, so that said two UEs can perform scrambling operation by using said scrambling code on P2P signals transferred between said two UEs.

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